**Pre Calculus Syllabus**

**Contact Info**

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**Topics**:

* **Unit 1:** students study functions and their properties. Topics of study include parent functions, combinations of functions, inverses of functions, and transformations.
* **Unit 2**: students study rational functions, and extend their understanding from Algebra 2.
* **Unit 3**: students study exponential and logarithmic functions.
* **Unit 4**: students are introduced to trigonometric and inverse functions on the unit circle
* **Unit 5**: students graph trigonometric functions based on their understanding of the unit circle and function transformations.
* **Unit 6**: students simplify expressions and prove identities using trigonometric functions.
* **Unit 7**: students apply vectors and parametric functions to real world situations.
* **Unit 8**: students explore limits and begin to study derivatives

**Text:** *Algebra and Trigonometry for College Readiness,* Pearson

Students are responsible for returning the text in good condition at the end of the school year. Students who do not return the book will be charged a replacement fee.

**Supplies:**

Students absolutely need a graphing calculator for this course. *I will not provide calculators*.

A three ring binder is also useful to organize hand outs.

**Grading Policies:**

Tests 35%

Quizzes 25%

Homework 10%

Participation/Behavior 15%

Classwork 15%

Participation includes warm up grades, behavior, and contributions to class discussions.

**Tests & Exams**

The math department retake policy is below:

Students have the option to retake one test (not quiz) per semester if they score below an 85%. Students must schedule a time to meet with the teacher AND complete test corrections (for no credit) before a retake to demonstrate that they have made the effort to understand the concepts. Retakes must be completed within two weeks of the original test and will be taken either during a study hall or in tutorial.  The teacher will average the two grades to determine the test grade.  This averaged grade will cap at 85%.

**Homework**

We will abide by the school’s late work policy. There will be no credit for late homework, without an excused absence.

**Behavior**

Participation covers attendance, focus, preparedness, volunteering in class, and asking questions. All of these things together are an indicator of your commitment to and effort in the course. Utilize them all!

Participation includes:

* Bringing materials to class;
* Coming to class on time;
* *Silently* working on the daily warm up
* Actively listening: watching the speaker, tracking the action;
* Responding in a timely manner to what is asked;
* Making an effort to complete one’s work;
* Taking and using your notes;
* Waiting until the teacher closes class before leaving; and
* Asking thoughtful questions.
* Being respectful to your peers, yourself, and your teacher

You will earn a participation grade in class consisting of five daily points and scores on your daily warm up.

**Consequences**

Students will follow the he WLPCS Code of Conduct. Student choosing not to abide by the Code of Conduct will earn consequences in accordance with their choices.

**Lateness & Absences**

You are expected to arrive on time and be prepared for each class meeting. Being late is disruptive to learning. Unexcused absences will result in a loss of participation points for that day. If you are absent, make up work can be found in the class folder. Students are responsible for following up on missed work and missed instruction.

**Bathroom Policy**

Students will use the bathroom during break, but will not leave class during learning.

By signing below, I acknowledge the following:

* I have read and understood the expectations and policies for Ms. Farrell’s math class for the 2014-2015 school year.
* If I have any questions, I know that I can email Ms. Farrell or attend office hours
* I will be responsible, respectful, and positive this year.
* I will use class time for math, not socializing.
* I will stay organized, focused, and keep an open mind.
* I will do all assignments to the best of my ability.
* I will participate in class.
* I will learn math!

Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_